


## Working from home – Maple class

Maths	English	Other areas of work									
<p>Happy Numbers: 23 is happy because: Using 23 as an example: <math>2^2 = 4</math> <math>3^2 = 9</math> then add the answers <math>4 + 9 = 13</math> So 23 is now replaced by 13. The process is now repeated: <math>1^2 = 1</math> <math>3^2 = 9</math> <math>1 + 9 = 10</math>. So 13 is replaced by 10. The process is now repeated: <math>1^2 = 1</math> <math>0^2 = 0</math> <math>1 + 0 = 1</math> The process ends at this point since <math>1^2 = 1</math>. From this we conclude that 23 (and 13 and 10) are happy numbers. <b>How many happy number can you find? Note <math>2^2</math> means <math>2 \times 2 = 4</math> <math>3^2</math> means <math>3 \times 3 = 9</math> <math>4^2</math> means <math>4 \times 4 = 16</math></b></p>	<p>The next couple of weeks we are going to base the work we do on the short film called: <b>EYE OF THE STORM</b></p> <p>The video of "Eye of the Storm" tells the story of an anonymous airship pilot, whom we see in a very dark, simplified form deciding in his melancholy to steer his airship into a massive (and possible ether-driven) storm. Throughout the video we see him preparing his craft, setting it on "autopilot", and saying goodbye to his one c companion- a dragon</p>	<div style="text-align: center;">  </div> <p style="text-align: center;"><a href="https://www.literacyshed.com/eyeofthestorm.html">https://www.literacyshed.com/eyeofthestorm.html</a></p>									
<p>Using the squared paper that I gave you create a multiplication grid of your own - 12 by 12. Colour it in and ensure it is clear. Investigate the numbers in the multiplication square. What patterns can you see? What do you notice with the 7, 9 and 12 times tables?</p>	<p>Who? What? Where? When? Why? Using the film try and answer these question prompts - Who is the man the 'dragon master?' Why does the dragon have to be kept locked up? Where is the ship going? What will happen as the ship goes into the storm at the end? You will need to come up with your own questions. Don't forget to write the answers as well.</p>	<div style="display: flex;"> <div style="flex: 1;"> <p>Outdoor learning task from the school website.</p> <p><b>DT:</b> Now you have looked at different games, you can now see the pros and cons.</p> <p>We are now going to <b>plan</b> your maths game. Think about how you can make the games as interactive as possible but not too complicated. These are only going to be rough ideas this week</p> </div> <div style="flex: 1;"> <p>Music: Identify your top ten favourite pieces of music and say why</p> </div> </div>									
<p>Practice your subtraction:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">7. 82,005 - 79,876</td> <td style="width: 33%;">8. 45,321 - 24,756</td> <td style="width: 33%;">9. 92,467 - 36,871</td> </tr> <tr> <td>10. 40,625 - 23,478</td> <td>11. 63,724 - 38,474</td> <td>12. 83,074 - 48,238</td> </tr> <tr> <td>13. 72,380 - 56,524</td> <td>14. 92,412 - 67,845</td> <td>15. 90,401 - 78,832</td> </tr> </table> <div style="border: 1px solid #ccc; padding: 5px; margin-top: 10px;"> <p><b>Challenge</b></p> <p>Find the missing digits in this subtraction:  <math>\square 4 1 \square - 1 \square 3 6 = 7 0 \square 7</math></p> <p>Write a subtraction which has an answer of 12,345.                      The subtraction must require you to move a ten and a hundred.</p> </div>	7. 82,005 - 79,876	8. 45,321 - 24,756	9. 92,467 - 36,871	10. 40,625 - 23,478	11. 63,724 - 38,474	12. 83,074 - 48,238	13. 72,380 - 56,524	14. 92,412 - 67,845	15. 90,401 - 78,832	<p>Create a character description weaving the action and appearance to create a fuller description. Look at ordering of clauses for better effect. An example could be: From inside the craft, a creature stepped onto the deck and flexed a pair of wings in the sunlight, then settled back down to sitting. As its master walked towards it, the dragon looked up momentarily and met his hand with a satisfied nuzzle. Razor-sharp barbs edged its translucent wings .....</p>	<p>French: You could sign up to this but you would need to check with an adult  <a href="https://www.duolingo.com/course/fr/en/Learn-French">https://www.duolingo.com/course/fr/en/Learn-French</a></p>
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<p>Use a number line to solve these - you need to count on</p> <p style="text-align: center;"><b>Addition and subtraction problems</b></p> <ol style="list-style-type: none"> <li>1. <math>4500 + \square = 7200</math></li> <li>2. <math>8100 - \square = 4600</math></li> <li>3. <math>7000 - \square = 3542</math></li> <li>4. <math>\square - 3400 = 2700</math></li> </ol> <ol style="list-style-type: none"> <li>5. Stefan has 4783 health points. He was at full health at 8000 points. How many points has he lost?</li> <li>6. Phoebe has 460 health points. She drinks a green potion worth 240 points and a blue potion. She ends up with 950 health points. How many points was the blue potion worth?</li> <li>7. Ahmed earns 4700 experience points and now has 9200 experience points. How many points did he have before?</li> <li>8. Charmaine has 7300 experience points. She needs 9000 points to get the next level. Should she choose to try and solve a puzzle worth 1800 points or a puzzle worth 1600 points?</li> <li>9. Toby has 3400 health points. He drinks potions worth 2300 and 1600 points. He wants to get to full health which is 8000 points. How many more points will he need?</li> <li>10. Write your own computer game word problem to go with <math>\square + 3600 = 8400</math>.</li> </ol>	<p><b>Describe the setting -</b></p> <p>The air down here was awful: it had that musty smell which hit the back of your throat and made you cough, and beyond that a strange chemical taste, which almost burned if you breathed too deeply. It was vile.</p> <p>The ship was a sizeable craft. A large balloon on top helped to keep it aloft, while enormous propellers and wings drove it forwards.</p> <p style="text-align: center;"><b>Ensure you build up your noun phrases and think about what you see</b></p>	<p><b>Science:</b></p> <p><b>The Chemistry of Cooking: mixing, heating and burning</b>  <i>Let's hope it doesn't get too hot in the kitchen as you investigate and explore the gourmet side to chemistry. Bake some bread or cakes, and explore the weird and wonderful world of eggs!</i>          Cook eggs in different ways noting the changes that occur</p> <p>Plan and carry out investigations into the impact of certain ingredients on an end product. You can use a recipe of your choice.</p>
<p style="text-align: center;"><b>Multiplying and dividing by 10, 100 and 1000</b></p> <ol style="list-style-type: none"> <li>1. <math>456.8 \times 10</math></li> <li>2. <math>4568 \div 10</math></li> <li>3. <math>2.76 \times 10</math></li> <li>4. <math>843 \div 100</math></li> <li>5. <math>47.3 \times 100</math></li> <li>6. <math>783 \div 100</math></li> <li>7. <math>45.62 \times 100</math></li> <li>8. <math>783.4 \div 10</math></li> <li>9. <math>45.74 \times 1000</math></li> <li>10. <math>3620 \div 1000</math></li> <li>11. <math>348.2 \times \square = 3482</math></li> <li>12. <math>34,820 \div \square = 34.82</math></li> </ol> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p><b>Challenge</b></p> <p>Complete the following calculations.</p> <p><math>78.43 \times \square = 7843</math>      <math>78.43 \times \square = 78.430</math>      <math>6450 \div \square = 64.5</math>      <math>6450 \div \square = 6.45</math></p> </div>	<p><b>Draw a picture of the dragon and label what you think this creature might be like. Use the clip to justify your thinking.</b></p> <p>Create a log/diary entry. It could be at any point. For example: entry as he manoeuvres towards the eye. Focus on his thoughts and feelings. Look at the positioning of adverbials/prepositions of time within the sentences.</p>	<p><b>PSHE:</b> Watch this short film and write comments based on the questions that have been suggested. It doesn't have to be 200 words but it could be!  <a href="https://www.youtube.com/watch?v=k9NBgMgXl3g&amp;feature=emb_logo">https://www.youtube.com/watch?v=k9NBgMgXl3g&amp;feature=emb_logo</a></p>
		<p>Complete another couple of sections from the spelling book. You could also sign up to this <a href="https://www.sirlinkalot.org/spellathome/">https://www.sirlinkalot.org/spellathome/</a></p> <p>Continue with Joe Wicks or Jumpstart Johnny. You could do your own PE based work</p> <p><b>History:</b> Find out about the industrial revolution that took place in Victorian times. Create a poster to explain the different things that took place</p> <p>Reading challenge: Think about someone in your book who is not the main character. Rewrite a scene from your book from this character's point of view. Do they feel differently about the situation? Do they know something that the main character does not know? Would the main character be surprised about how they feel?</p>

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If you don't want to do the Eye of the storm work or the internet connection is poor then use these Pobble write pictures - only write a couple of paragraphs based on the picture.

